

TECHNICAL QUOTATION

Thank you for the interest in CIDAN technology.
We are pleased to offer you CIDAN products as follows

CIDAN F-Series FOLDER



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F-Series

CIDAN F is fast, powerful, easy to use and reliable. The robust design has welded sides, extra strong lower beam and clamping beam. The machine is generously designed with opening height of 150 mm and the large recesses in the clamping beam, 49 mm high and 57 mm wide, allowing greater flexibility.



Technical specifications

Model	Folding length mm	Folding capacity			Outer dimensions			Weight kg
		Steel ¹ mm	Stainless steel ² mm	Aluminum ³ mm	Length mm	Width ⁴ mm	Height mm	
F26	2600	1,75	1,1	2,6	3530	1545	1590	3100
F32	3200	1,5	0,9	2,2	4030	1545	1590	3285
F41	4100	1,2	0,8	1,8	5158	1545	1590	3500

Tensile strength ¹400 N/mm² – ²600 N/mm² – ³200 N/mm² – ⁴with motorized back gauge EGS

Opening height clamping beam.....	150 mm
Motor clamping beam	0,75 kW
Motor folding beam.....	1,1 kW
Clamping pressure	100 kN
Air pressure	6 bar
Power	400 V
Amperage	16 A

F-Series

The most important advantages

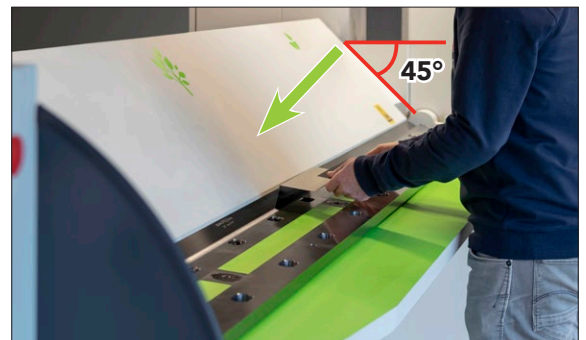
- ✓ Fast, user friendly and reliable.
- ✓ Adjustable crowning for perfect folding results for any thickness and width
- ✓ Two folding rails widths 7/10 mm and 15 mm as standard. Other options available
- ✓ 10–14 gauging fingers depending on model and length required

Drive system

The reinforced side frames insure steady guiding of the clamping beam and folding beam. The clamping beam is eccentric driven which eliminates wear and tear during movement as well as providing the best possible opening and closing speeds. The eccentric drive eliminates adjustment of parameters during the life of machine, which insures long life on the clamping motor. When clamping, the eccentric enables very high clamping pressure, which is a great advantage when closing hems.

Clamping beam

The clamping beam face is at 45 degrees and the nose bar is positioned at 30 degrees, which enables you to form 146 degrees. The upper beam is twin driven for true parallelism during clamping. This will allow you to accurately form bump radius parts.



Clamping beam with 45°.

Guiding gib on upper beam

Long 533 mm phenolic guiding gib on the clamping beam and side frames allows for stable guiding without deflection.

CNC material sensing

Automatic material thickness sensors prevent machine from over clamping on thick material, prolonging the life of the machine. These sensors are also helpful for clamping soft material, as the control can adjust the clamping pressure between 0 and 100% or by position.

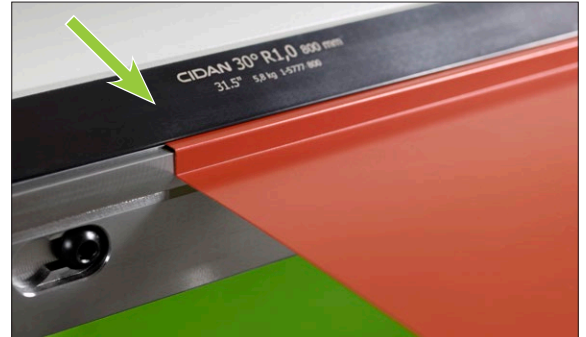


Guiding gib.

F-Series

Straight rail

The upper beam is equipped with a straight rail divided in 3-5 segment, allowing quick and easy changing and lowering replacement costs in the event of damage.



Straight rail 30° with radius 1 mm.

Folding beam

The folding beam has a width of 52 mm with a 38 mm reinforced weldment plate for long and continuously stable folding. The folding beam, dual powered, is exceptionally rigid and stable but at the same time so narrow that the operator needn't step back when folding.



Powerful but yet short folding beam.

Folding beam tooling

The F Series comes as standard with 3 sets of folding beam widths; 7 mm, 10 mm and 15 mm.



Three widths of the folding beams as standard.

Quick tool changing

The bayonet tooling system enables operators to quickly change the folding beam tools, minimizing setup time. Instead of removing the bolts completely, only loosening them will allow operators to slide the tooling off. One of the blades is dual sided, 7mm on one side and 10mm on the other.



Quick changes thanks to the bayonet tooling system.

F-Series

Lower beam

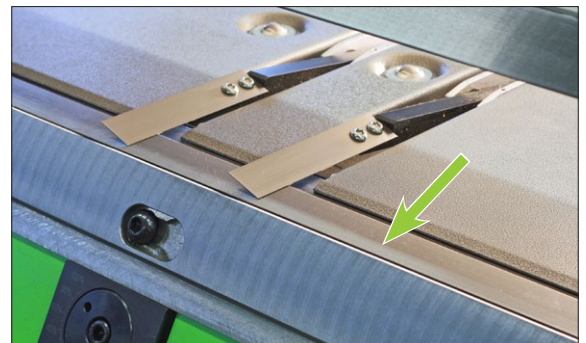
The lower beam is a large weldment with crowning adjustment.



Sturdy lower beam.

Lower beam tooling

The solid lower beam tooling will prevent any sensitive or light gauge material from getting damaged, scratched or indentations during clamping.



Solid lower beam tooling.

F-Series

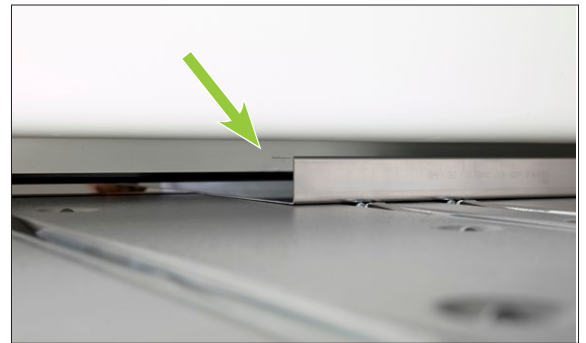
Upper beam clearance

Upper clamping beam has 57 mm of clearance on both sides of the clamping tool. This allows the option of longer tooling if required. Underneath the clamping beam there is 49 mm of relief, this is great for parts that require greater workspace such as vented ridge caps.



Large recesses in the clamping beam.

The height behind the straight rail is also well sized to make room for already folded details.



Well sized room also behind the straight rail.

Material thickness adjustment

Easy adjustment of the material thickness on the folding beam allows for quick change-over from job to job. It is easy as loosening the handle and turning the dial to the appropriate thickness that is shown on the gradient scale.



Material thickness adjustment.

Crowning adjustment

The folding beam has a standard crowning adjustment for forming various material types and thicknesses without compromising straightness of 4100 mm parts. This is a big advantage, especially for radius work, as it offers a faster and more accurate setup that replaces the need to shim.



Easy crowning adjustment.

F-Series

EGS back gauge

The EGS back gauge has one servo motor and belt drives on both sides and it takes less than two seconds to get an exact position between 2 and 1020 mm. First row stop units are made of spring steel as standard. All the stop units can drop down automatically to avoid collision when the material needs to be rotated on the table.



EGS back gauge 1020 mm, steel ball transfers are optional.

FLEXIBLE back gauge

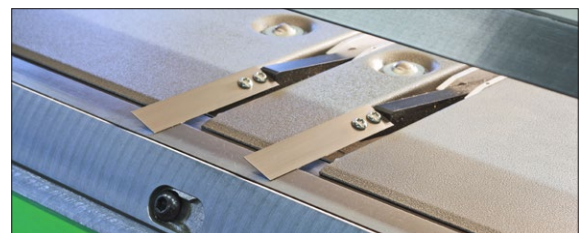
FLEXIBLE is a strong and stable back gauge with a depth of 1550 mm. Thanks to strong legs and a smart design, it can handle sheets up to 160 kg. The back gauge is equipped with dual servo motors, ball screws and linear guides for highest precision and repeatability. The back gauge speed enables the productivity to increase and at the same time, decreases the costs of your forming operation. Front stop units are made of spring steel as standard. The stop units can be dropped down automatically in every program row, which prevents any collision with the stop units when the sheet needs to be rotated.



FLEXIBLE back gauge 1550 mm as standard.

Small parts gauging

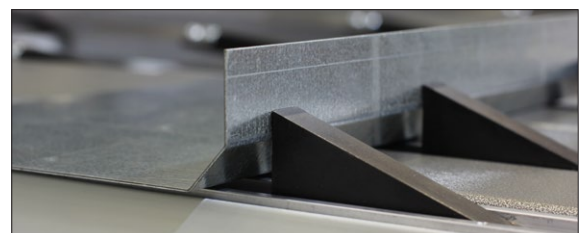
Staggered gauging across the length of the machine makes small parts gauging possible on either side and in the middle of the back gauge. The solid lower beam and spring steel fingers allow closer gauging to the bend line as well.



Spring steel fingers for close gauging.

Several rows of gauging stops

With several rows of gauging finger positions, any position on the back gauge can be reached in 3 seconds, speeding up the process between bends.



High solid fingers.

F-Series

Control system EasyLink

EasyLink is a complete and user-friendly control system, fast and easy to program. EasyLink has the possibility to store 1000 profiles each with 99 steps. In every program step, the angle, gauge dimension, opening height, clamping pressure and hem pressure can be programmed. Some of the possibilities available with EasyLink are copying programs, incremental dimensioning, and radius folding. From the touch screen the operator gets clear messages about the programming and operation. The touch screen panel is mounted on a rotating bracket, so that the operator easily can adjust the screen to the situation.



EasyLink with 10" screen.

Huvudmeny			
Part 1013			
ALLA LINJER			
0.0	0	0	0
LINJE: 5 NORMAL			
18	0	AV	
1	140.0°	10.0	
2	0.0°	178.0	
3	45.0°	167.0	
4	90.0°	142.0	
5	30.0°	127.0	
6	90.0°	110.0	
7	90.0°	98.0	
8	60.0°	85.0	
9	40.0°	40.0	

Control system ProLink W

The ProLink W program is developed specifically for CIDAN folding machines and offers unlimited possibilities. From start to finish, ProLink W is designed for even an inexperienced operator to comfortably navigate, program, proof, and easily form parts.

Interactive graphic pictures are shown to the operator with instructions like rotate or flip the part, a condition to correctly being able to produce complicated details. In the control memory you can store a large amount of programs and you can also store programs on a USB stick as well. Every program can be saved with a graphical icon, with name and information.

The ProLink W calculates cut size and automatically creates a program. The finished part is shown with its actual folding sequence. The touch screen is mounted on a rotating bracket for optimal viewing. With the offline-software option, programming can be completed in the office away from the machine.



Standard ProLink W with 15.6" screen.



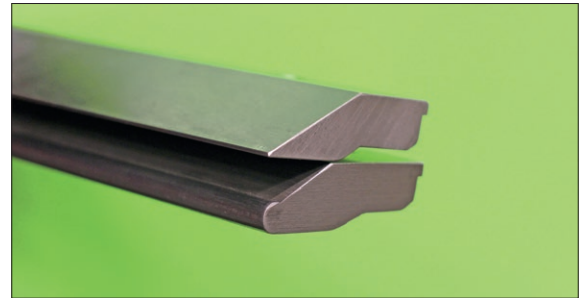
Option, ProLink W with 18.5" or 21.5" screen on pendant arm.

F-Series

Options

Round straight rails

We offer straight rails with radius 1,5 eller 2,5 mm for more adjusted folding of special profiles. Also suitaböe when folding zink and aluminum.



Round straight rails.

Steel ball transfers

Steel ball transfers on the backgauge assist with the positioning of larger, heavier parts and reduce the risk of scratching the material. (Standard on AGS and option for EGS)



Steel ball transfers standard on AGS back gauge.

Moveable foot pedal on rail

Allows the operator to move the foot pedal quickly and smoothly along the folding area. Appropriate when folding is done with several folding stations. This option is considered a great safety feature when bolted to the floor. When operator engages foot pedal, they are away from the upcoming folding beam.



Rail for moveable foot pedal, increases safety.

Roller shear (F41)

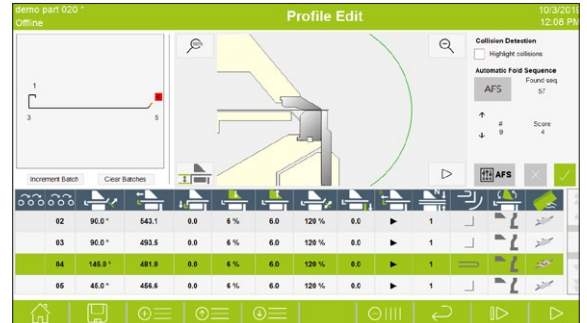
The shear is installed on the upper beam and is easy to mantle and dismantle. This is how it works: You program the control system how wide strip/strips you would like to shear off. Then you load the flat sheet on the back gauge that pushes it out to the right position and you clamp the sheet. You push the roller shear sideways shearing the strip off. After a few quick hits on the pedal the sheet is moved out to the next position, clamped and ready for roller shearing or folding.



Roller shear mounted on a F41.

ProLink offline

With the offline-software option on ProLink W, programming can be completed in the office away from the machine.

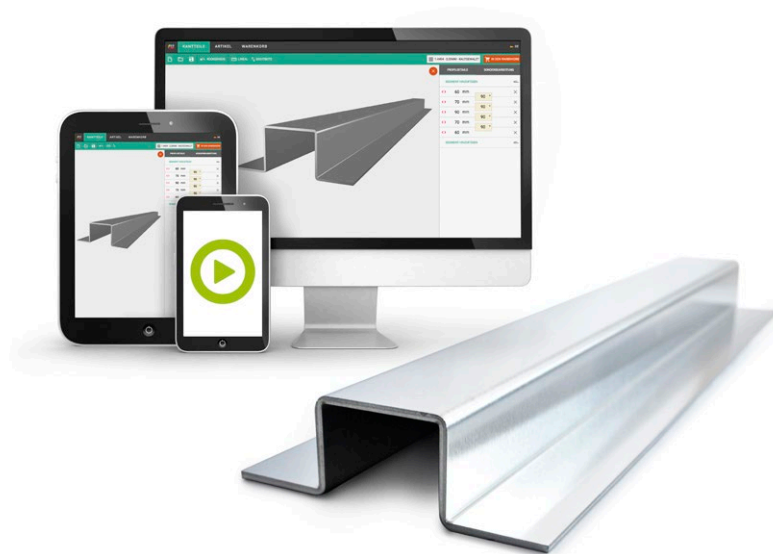


ProLink W off-line programming.

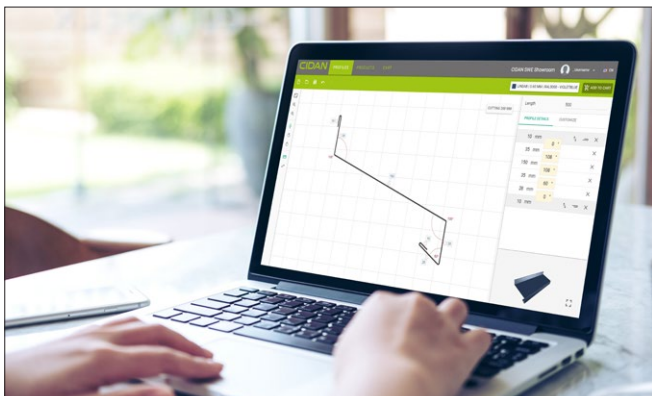
F-Series

Smart factory software

Discover the smart planning tool for metal trims



Efficient sheet metal working begins and ends with nuEvolution from nuIT – the smart planning tool that revolutionizes your entire manufacturing process. Combine nuEvolution with the impressive power and agility of our machines for perfect overview, good results, shorter lead times and increased profitability. All you need is a tablet or laptop and your finger



nuEvolution

nuEvolution is extremely user friendly and can be managed by anyone, anywhere. Draw or enter your desired profiles quickly and easily on the construction site, factory floor or wherever you are. Measure and adjust the angles easily so that your 3D profile matches reality. nuEvolution enables accurate values and makes your work playable easily. Select the color and material from the predefined materials and enter the desired length and number. The program ensures that you always deliver complete drawings, where no measurements or other data are missing.

Terms

Warranty

12 months or 1800 hours, whichever occurs first.

Others

Instructions in English. Service och repairs should be performed by CIDAN Machinerys own service department or by CIDAN Machinery Sweden AB approved service technician.

Changes and additions

If the buyer changes the financing form or for other reasons transfer the order to another buyer after the order is confirmed, CIDAN Machinery Sweden AB has the right to charge the purchaser or the buyer administrative additional costs of 300 EUR. When prepayment invoices are credited and rewritten to another buyer, the original invoice's due date applies.